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CHAL-0861 ✓

21 January 1960

MEMORANDUM FOR: Chief, Development Branch, DPD

SUBJECT : Fuel Cooling Study

1. The attached report on fuel cooling to provide range extension was received from [] and has been reviewed.

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2. The analysis of past performance data was done in a logical, comprehensive, adequate manner, and the conclusions are well founded in the body of the report. There does not appear to be any need for further research and/or development work.

3. It is recommended that no further effort be taken by the Development Branch. If Operations/DPD so desires, each operational aircraft can be calibrated using the technique described in the "Recommendations" section of the report. The Development Branch, DPD, will assist such a flight program if desired.

4. Please return this report for the Development Branch, DPD, files.

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SIGNED

[]

Development Officer

25X1A

DPD-DD/ []

Distribution:

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CHAL-0063-60

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22 January 1960

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ACTIVITY PROGRAM

1. PURPOSE: To accomplish all modifications on Article 343 to configure it in an equivalent manner to other assigned J-57 aircraft. Article 378 and 393 presently at do not have IAC Service Bulletin Number 369 accomplished. This Service Bulletin provided an improved Wing Vent System. Without this modification, during descent the low fuel level light normally lights indicating a fuel scarcity giving the pilot no recourse other than to declare an emergency condition requiring immediate letdown. Article 343 is required as a substitute for one of the aforementioned aircraft in order that they may return to the states for accomplishment of the Fuel Vent System Service Bulletin.

2. Description of Work or Services Required: Install the following Service Bulletins with kit prices and installation prices as indicated.

S/B No.		<u>Kit Mfg. Price</u>	<u>Kit Install Price</u>	<u>REMARKS</u>
25X1A 380	Section I Relation of "C" Provisions Section II Provisions for F-2 Foil Section III Provisions for P-2 Platform	<div style="border: 1px solid black; width: 280px; height: 170px; margin: 0 auto;"></div>		-----
295	FOG Weather Package Prov.			-----
242	Re-arrangement of O ₂ Bottles and Installation of System III Provisions			-----
248	To Provide Ships Wiring for Installation of System VI	No Cost		Kit Avail.
257	Wiring Provisions - Sys. VI	No Cost		Kit Avail.
25X1D 25X1A 268	<div style="border: 1px solid black; width: 440px; height: 130px; margin: 0 auto;"></div>		<div style="border: 1px solid black; width: 90px; height: 20px; margin: 0 auto;"></div>	
272				
300				

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CHAL-0863-60
PAGE TWO

3. Expected Additional or Related Work or Services: None

25X1A 4. Total Estimated Cost: [] Funds were not programmed by the DFD
25X1A for the accomplishment of this task, however, sufficient funds are available in
Contract IAC CP-1918 to which the task may be charged. [] 1/22/60

5. Delivery Schedule or Period of Performance: It is estimated that the
aircraft will be ready to fly by 1 March 1960 should the approval be granted to
proceed immediately.

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Chief, Materiel Branch
DPD-DD/P
Authorized DPD-DD/P Signer

ILLEGIB APPROVED: (or recommended for approval)

25X1A []

for WILLIAM BURKE
Acting Chief 20 JAN 1960
DPD-DD/P

~~RICHARD M. BISSILL, JR.
Deputy Director
(Plans)~~

7. Conditions of Approval:

25X1A MB/DPD-DD []

Dist: 0 - Contg/DPD
1 - A/CH/DPD
2 - DD/P
1 - OPS/DPD
1 - COMSO/DPD
1 - MB/DPD
1 - MB/DPD (CHAL Chrono)